



Environment
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Our file: 4715 000 012

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Via Facsimile

RE: NIRB 03DN117 – Nassittuq Corp. - CAM-3 Shepherd Bay Project

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

Nassittuq Corp. has applied for a water license application in order to allow for the Shepherd Bay Auxiliary Radar Station (CAM-3) to continue to be used as a Long Range Radar (LRR) station. From 1989 through 1995 the station was fully manned with an average occupancy of 15 persons all year round. However, since 1995, the station has operated as an unmanned facility, with the exception of scheduled maintenance trips and unplanned corrective maintenance trips. The CAM-3 station is located on the western shore of the Boothia Peninsula, approximately 100 km north of Spence Bay and 100 km west of Gjoa Haven.

As the proponent freely recognizes, the site in question is a very productive area for migratory birds and shorebirds and waterfowl frequently nest in and around the station. Environment Canada would like to draw the proponent's attention to section 8(a) of the *Migratory Birds Regulations* that states that nests or eggs of migratory birds should not be disturbed or destroyed. If the proponent plans on doing construction on the station, the construction should be undertaken outside the breeding season (i.e. before May 15 or after August 15) in any year.

Environment Canada requires the following information in order to facilitate the review of this application:

- A map indicating the location of the monitoring points for the leachate monitoring that is to be completed at the proposed outfall area, as well as the location of the proposed outfall area.
- Once available, the progressive and final abandonment and restoration plans for the site.
- The location of all sumps which are to be used for the disposal of camp greywater, including their location in relation to water, their expected capacity, and freeboard.
- Is the landfill referred to in the application an existing landfill, or is a new one to be constructed for the project?
- The site plan maps included with the application indicate the presence of a sewer line (Figure E-1, Sheet 3 of 3). Environment Canada requests clarification as to the purpose of this line given that the project is to utilize incinerators for the disposal of sewage and sumps for the disposal of camp greywater.

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Environment Canada recommends that the following conditions be applied throughout all stages of the project:

- The proponent shall not deposit, nor permit the deposit of any fuel, chemicals, wastes or sediment into any water body. According to the Fisheries Act, Section 36(3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- If any construction debris is generated during the course of the project, EC recommends that the proponent take measures to ensure that such materials do not result in void spaces in the landfill.
- The proponent shall ensure that all spills are documented and reported to the NWT 24 hour Spill Line at (867) 920-8130.
- Given the large amount of fuel to be stored on site, EC recommends the use of secondary containment, such as self-supporting Insta-berms.
- All fuel storage areas shall be located above the high water mark and in such a manner as to prevent the contents from entering any waterbody frequented by fish.
- All sumps are to be located above the high water mark and in such a manner as to prevent the contents from entering any water frequented by fish. Further, all sumps shall be backfilled and contoured to match the existing landscape upon completion of the project.
- The proponent shall ensure that all hazardous materials, including waste oil, receive proper treatment and disposal at an approved facility.
- Environment Canada recommends that drip pans, or other similar preventative measures, be used when refueling equipment on site.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,


Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)
(Vanessa Charlwood, Canadian Wildlife Services, Environment Canada, Yellowknife)